



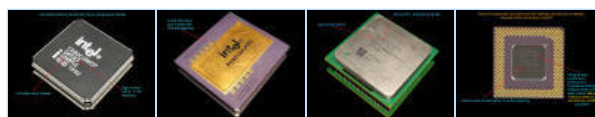
The chips in this section are **Engineering Samples**. This kind of chips were made **not for commercial use**, and are testing objects for engineers, mechanicals or selected customers. Some samples are extremely rare and very hard to find!

How can I identify a chip as a sample? Most chips have clear details. Either an acronym like **ES, CS, MS, QS** or full words like **Sample, Confidential, Prototype, Secret**,.....

For Intel chips and CPUs you should know that all later CPUs and chips have a spec number beginning with Q. So there are existing CPUs with no acronym marking but a spec number with Q on the beginning. That's definitely a sample, very rare and valuable.

Acronyms

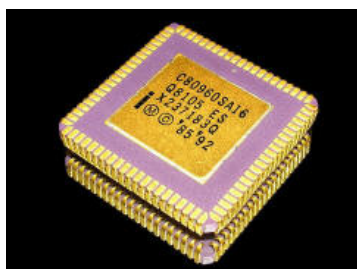
ES: Engineering Sample
CS: Customer Sample
MS: Mechanical Sample
QS: Qualification Sample



Some explanation on this pictures for samples and no samples

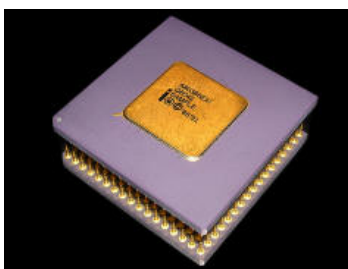
Intel Samples: CPU

C80960SA-16



Q8105 ES
extremely rare piece!!
[bottom view](#)

A80386EXI



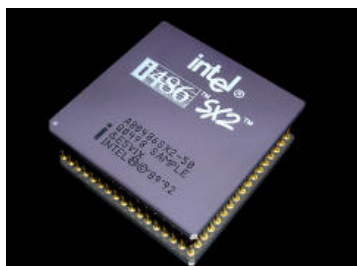
Q8042
extremely rare piece!!
[bottom view](#)

A80486DX ES



SXE61, USA
extremely rare piece!!
[bottom view](#)

A80486SX2-50



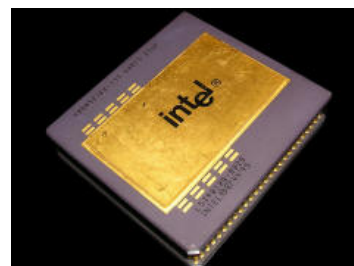
Q0498 SAMPLE
extremely rare piece!!
[bottom view](#)

A80860XR-40 EX



C.0, USA
extremely rare piece!!
[bottom view](#)

KB80521EX133



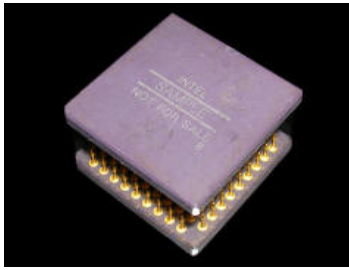
Q0815, Malaysia, 256kb Cache
very rare piece!!
[bottom view](#)

KB80521EX200



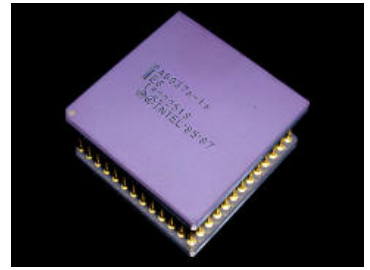
Q011, Malaysia, 512kb Cache
[bottom view](#)

80286 Sample 8 MHz



not for sale
[bottom view](#)

A80376-16



ES
[bottom view](#)

FA80C186CP



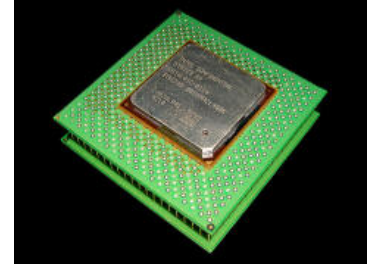
Q8583
[bottom view](#)

KU80C186EC16



Q8568
[bottom view](#)

80528PC1.4G0K



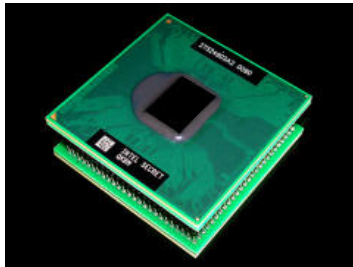
QY81ES
[bottom view](#)

RK80546HE0561M



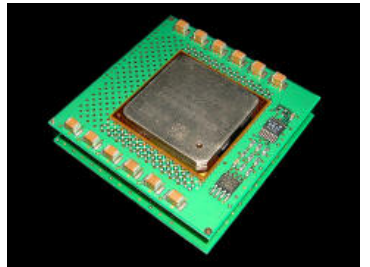
Q223 ES, 2.4 GHz
[bottom view](#)

933/1M/533 Celeron Mobile, Low Voltage



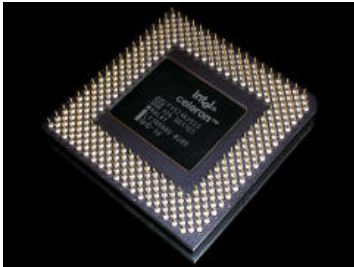
QKBM Intel SECRET
[bottom view](#)

80528KC 1.3G



QY89ES
[bottom view](#)

FV524RX533



QG11ES
[bottom view](#)

RB80526RY850128



QBC6ES, Malaysia
[bottom view](#)

P III 450MHz, MMC2 package



[bottom view](#)

80541KZ6672M



Itanium I, Q012 ES
[bottom view](#)

80541KZ6674M



Itanium I, QS05ES
[bottom view](#)

80542KC9003M

picture coming soon...

QUD7 QS
[bottom view](#)

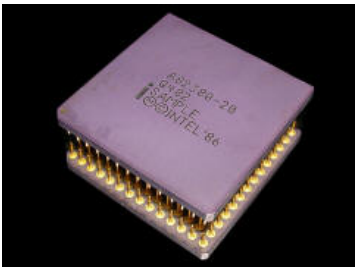
PII Mobile MMC1



Q761 Sample
[bottom view](#)

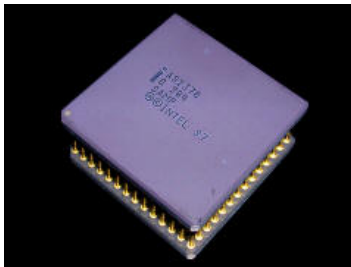
Intel Samples: all other

A82380-20



Q482 Sample, Malaysia
[bottom view](#)

A82370



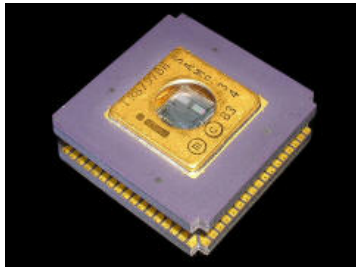
Q 204, SAMP, USA
[bottom view](#)

C27C203-55V05



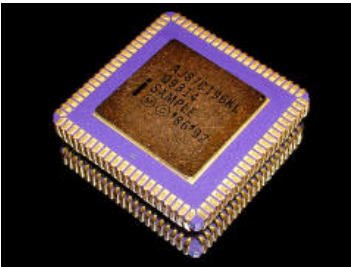
ES, Malaysia
[bottom view](#)

TR8797BH



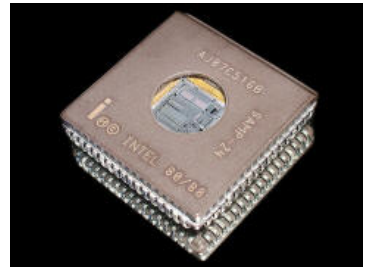
Sample, Malaysia
[bottom view](#)

AJ87C196KL



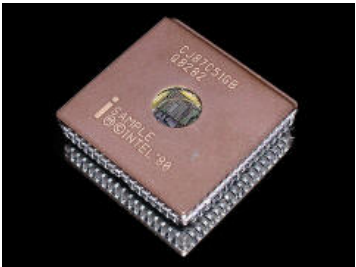
Q9314 SAMPLE
[bottom view](#)

AJ87C51GB



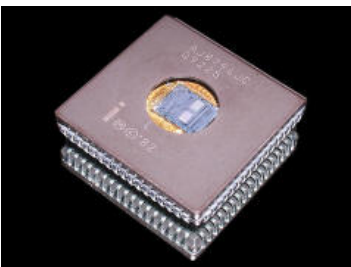
Korea
[bottom view](#)

CJ87C51GB



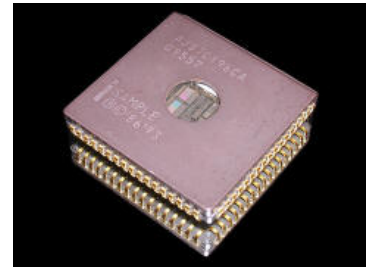
Q8282 Sample, Korea
[bottom view](#)

AJ9796JC



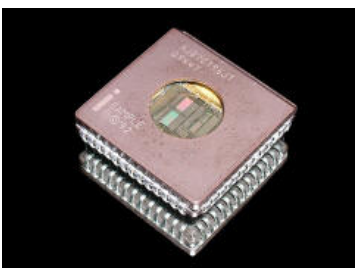
Q9225, Korea
[bottom view](#)

AJ87C196CA

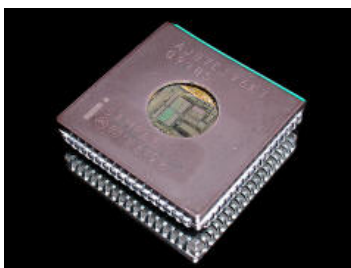


Q9557, Sample, gold pins!
[bottom view](#)

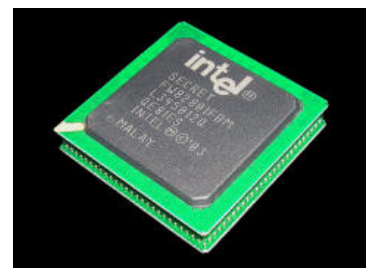
AJ87C196JT



AJ87C196KT



FW82801FBM

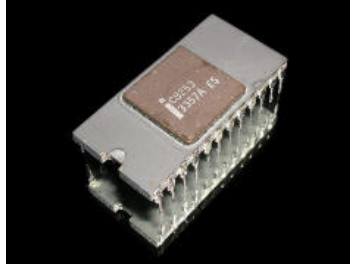


Q9447, Sample, Philippines
[bottom view](#)



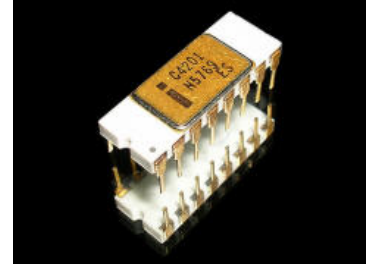
QS29 ES, "secret"

Q9405, SAMPLE, Philippines
[bottom view](#)



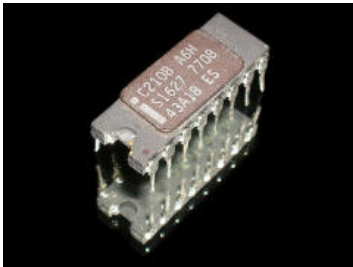
ES, 7708
[bottom view](#)

QE81ES, "secret"
[bottom view](#)



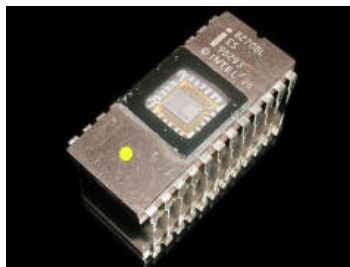
ES

C2108A6H



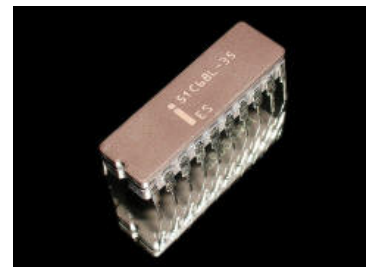
Malaysia, 7703
[bottom view](#)

B2708-L ES



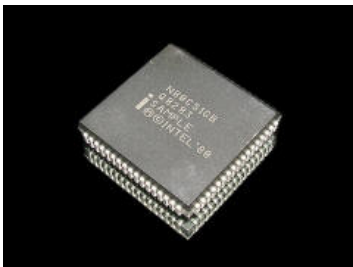
Malaysia, 7833
[bottom view](#)

51C68L-35



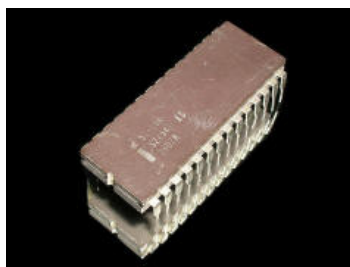
Malaysia
[bottom view](#)

N80C51GB



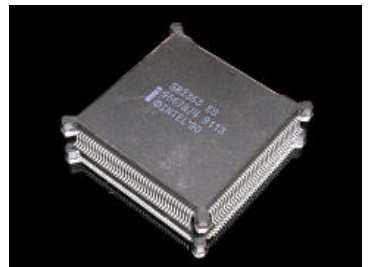
Q8283, Korea
[bottom view](#)

52-104



ES
[bottom view](#)

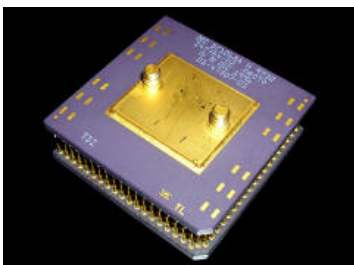
S82353 ES



ES

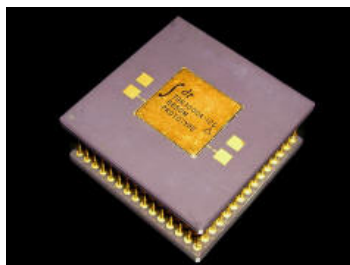
Other Manufacturer Samples

DEC 21-47307-01



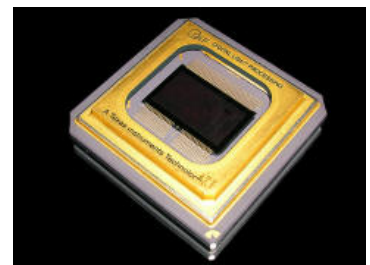
Prototype
[bottom view](#)

IDT R3000A



Military Prototype, USA
[bottom view](#)

Texas Instruments DLP-Processor

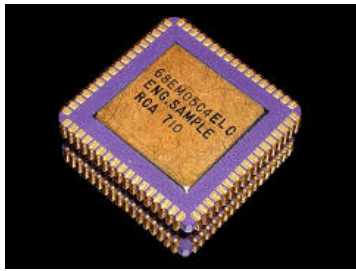


Sample
[bottom view](#)

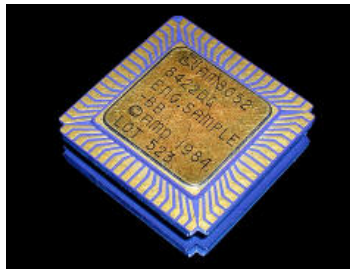
68EM05C4ELC

AM8052-BB

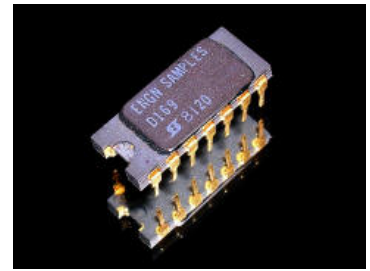
D169



ENG.SAMPLE
[bottom view](#)

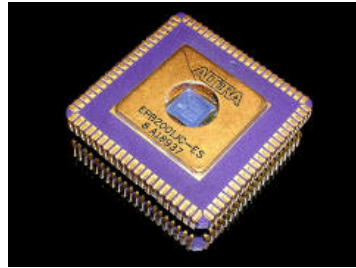


ENG.SAMPLE
[bottom view](#)



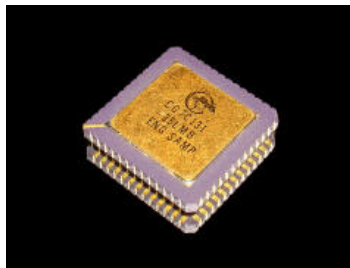
ENGN SAMPLES

ATERA EPB2001JC-ES



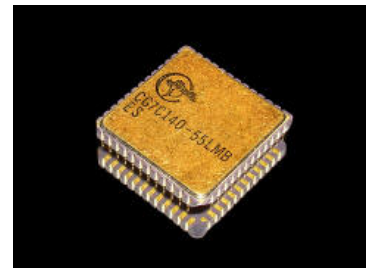
ES
[bottom view](#)

Cypress CG7C131-35LMB



Eng. Samp.
[bottom view](#)

Cypress CG7C140-55LMB



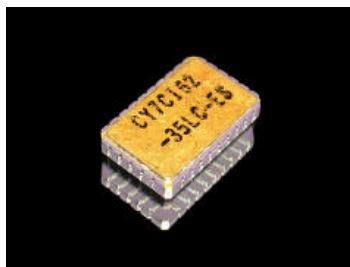
ES
[bottom view](#)

Cypress CY7C132-55LC



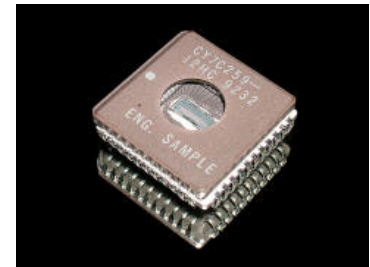
ES
[bottom view](#)

Cypress CY7C162-35LC



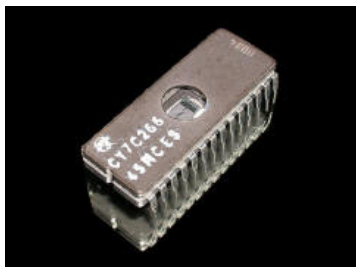
ES
[bottom view](#)

Cypress CY7C259-12HC



Eng. Sample
[bottom view](#)

Cypress CY7C266-45HC



ES
[bottom view](#)

Cypress CY7C277-30WC



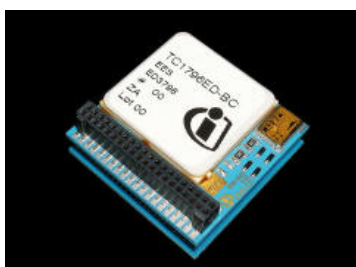
ES, USA
[bottom view](#)

Infineon TC1796-256F150E



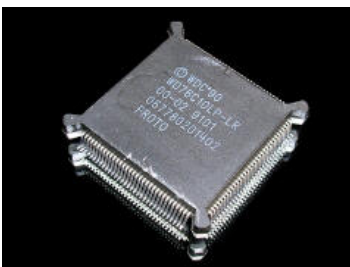
EES, early engineering Sample
[bottom view](#)

Infineon TC1796ED-BC



EES, early engineering Sample
extremely rare piece!!
[bottom view](#)

WD76C10LP-LR



Singapore, 9101, Prototype
[bottom view](#)

WD76C21-LU

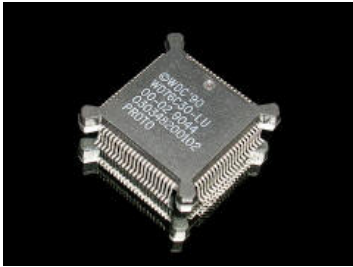


9050, Prototype

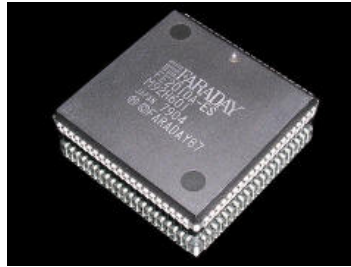
FARADAY FE2010A-ES

FARADAY FE3000A-ES

WD76C30-LU



9044, Prototype



Engineering Sample



Military Engineering Sample